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WPI Acc No: 1995-009493/199502

XRAM Acc No: C95-003624

XRPX Acc No: N95-007755

Colouring and transparency finishing for cement-based base material - by applying primer, intermediate coat and transparent pigment-contg. resin on base material

Patent Assignee: ASAH I GLASS COAT & RESIN KK (ASAG )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6293578	A	19941021	JP 93105193	A	19930407	199502 B

Priority Applications (No Type Date): JP 93105193 A 19930407

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 6293578	A		4	C04B-041/71	

Abstract (Basic): JP 6293578 A

Colouring and transparency finishing comprises: (a) applying a primer coating material on the cement-based base material; (b) applying an intermediate coating material comprising a synthetic resin coating material on the primer coating material; (c) applying a transparent pigment-contg. synthetic resin coating material as a finishing coating material on the intermediate coating material.

Pref. synthetic resin for the intermediate coating material contains a pigment having a refractive index of 1.4-1.7 and comprises a vinyl resin, acrylic resin, epoxy resin, polyurethane resin, chlorinated polyolefin resin, silicon.silicon cpd. or resin, polybutadiene, or fluoro resin. The pigment having a refractive index of 1.4-1.7 comprises; e.g. asbestine, calcium carbonate, precipitating calcium carbonate, clay, kaolin. The synthetic resin for the finishing coating material comprises: a vinyl resin, acrylic resin, polyurethane resin, chlorinated polyolefin resin, silicon.silicon cpd. or resin, polybutadiene resin, or fluoro resin. The pigment for the finishing coating material comprises; e.g. an azo dye, anthraquinone dye, indigo dye, phthalocyanine dye.

USE/ADVANTAGE - The finishing is for the cement-based base material. The method forms a coloured protective film without losing the quality of the cement-based base material.

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	実施例 1	実施例 2	比較例 1	比較例
下塗り塗料	アクアシール	アクアシール	アクアシール	アクアシ
中塗り塗料 合成樹脂	ルミフロン LF-200	ルミフロン LF-200	ルミフロン LF-200	ルミフロ LF-2
中塗り塗料 顔料と屈折率	硫酸バリウム 1.65	硫酸バリウム 1.65	硫酸バリウム 1.65	なし -
上塗り塗料 合成樹脂	ルミフロン LF-200	ルミフロン LF-200	ルミフロン LF-200	ルミフロ LF-2
上塗り塗料 顔料	赤系焼成	赤系べんがら	赤系べんがら	黄系黄
上塗り塗料 顔料粒子径	0.04 $\mu\text{m}$	0.04 $\mu\text{m}$	0.5 $\mu\text{m}$	0.5
試験体の外観	良好	良好	基材を隠蔽	濡れ肌色 基材を

Title Terms: COLOUR; TRANSPARENT; FINISH; CEMENT; BASED; BASE; MATERIAL;  
APPLY; PRIME; INTERMEDIATE; COAT; TRANSPARENT; PIGMENT; CONTAIN; RESIN;  
BASE; MATERIAL

Derwent Class: A82; G02; L02; P42; P64

International Patent Class (Main): C04B-041/71

International Patent Class (Additional): B05D-007/24; B28B-011/04;  
C09D-127/12

File Segment: CPI; EngPI

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L02-D14P

Polymer Indexing (PS):

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\*001\* 017; P0088-R

\*002\* 017; P0500 F- 7A

\*003\* 017; P1445-R F81 Si 4A

\*004\* 017; P0464-R D01 D22 D42 F47

\*005\* 017; P1592-R F77 D01

\*006\* 017; R00806 G0828 G0817 D01 D02 D12 D10 D51 D54 D56 D58 D84; H0000;

P0328 ; P0339  
\*007\* 017; ND01; Q9999 Q7114-R; Q9999 Q7158-R Q7114; K9698 K9676  
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\*009\* 017; R16211 D00 F80 O- 6A Si 4A; R01949 D00 F80 O- 6A Al 3A Si 4A;  
R01278 D00 F44 C- 4A O- 6A Ca 2A; A999 A102 A077; B9999 B4444 B4240  
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\*004\* 017; Cl 7A; H0157  
\*005\* 017; R16211 D00 F80 O- 6A Si 4A; R01949 D00 F80 O- 6A Al 3A Si 4A;  
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\*003\* 017; K9574 K9483; K9712 K9676  
\*004\* 017; Cl 7A; H0157  
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